

METALLURGICAL TECHNOLOGIES,INC -- METEC 4080C -- 3439-01-392-7039

=====  
Product Identification  
=====

Product ID:METEC 4080C

MSDS Date:03/21/1994

FSC:3439

NIIN:01-392-7039

MSDS Number: BYGCF

=== Responsible Party ===

Company Name:METALLURGICAL TECHNOLOGIES,INC

Address:14435 MAX ROAD

City:PEARLAND

State:TX

ZIP:77581

Country:US

Info Phone Num:713-485-7765

Emergency Phone Num:713-485-7765

CAGE:63726

=== Contractor Identification ===

Company Name:METALLURGICAL TECHNOLOGIES,INC

Address:14435 MAX ROAD

Box:City:PEARLAND

State:TX

ZIP:77581

Country:US

Phone:713-485-7765

CAGE:63726

=====  
Composition/Information on Ingredients  
=====

Ingred Name:TUNGSTEN CARBIDE

CAS:12070-12-1

RTECS #:YO7250000

Fraction by Wt: 44%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG W/M3

ACGIH TLV:5 MG W/M3

Ingred Name:NICKEL

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 40.2%

Other REC Limits:NONE

RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3

Ingred Name:COBALT  
CAS:7440-48-4  
RTECS #:GF8750000  
Fraction by Wt: 6%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.1 MG/M3

Ingred Name:CHROMIUM  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 6%  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SILICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Fraction by Wt: 1.5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALUMINUM  
CAS:7429-90-5  
RTECS #:BD0330000  
Fract  
ion by Wt: 0.7%  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:10 MG/M3

Ingred Name:BORON  
CAS:7440-42-8  
RTECS #:ED7350000  
Fraction by Wt: 1.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG B203/M3  
ACGIH TLV:10 MG B2O3/M3

===== Fire Fighting Measures =====

Flash Point:NA  
Lower Limits:NA  
Upper Limits:NA  
Extinguishing Media:GRAPHITE, DOLOMITE OR SODIUM CHLORIDE.  
Fire Fighting Procedures:DO NOT USE WATER.  
Unusual Fire/Explosion Hazard:NOT CONSIDERED FLAMMABLE; HO

WEVER, FINELY

DIVIDED POWDER IN THE FORM OF A DUST CLOUD CAN IGNITE IF CONTACTED BY AN IGNITION SOURCE.

===== Exposure Controls/Personal Protection =====

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:2000F,1093C

Decomp Temp:Decomp Text:NA

Vapor Pres:1 MM

Vapor Density:NA

Spec Gravity:9.8

pH:NA

Viscosity:NA

Evaporation Rate & Reference:NA

Solubility in

Water:INSOLUBLE.

Appearance and Odor:METALLIC GREY POWDER.

Percent Volatiles by Volume:NA

Corrosion Rate:NA

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

PURE OXYGEN OR OTHER OXIDIZERS.

Stability Condition to Avoid:GENERATION OF AIRBORNE DUST.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.